Subject Index-Volume 8

A

Acquired immune deficiency syndrome studies (AIDS) imaging in Kaposi's sarcoma, P11

Adrenal imaging

ACTH stimulation in, 172 CT in aldosteroma, 610

comparison with CT in primary hyperaldosteronism, P59 splenic tissue simulating adrenal mass, 371

Arthrography, radionuclide

loose knee prosthesis with Tc-99m SC, 355

Atlas Articles

Atlas of computerized blood flow analysis in bone disease, 560

Indium-111 white blood cell imaging, 449

Thallium-201 myocardial scintigraphy, 276

B

Bone imaging (extraskeletal uptake)

endothelium, 447

Ga-67 in untreated head and neck tumors, 107

hepatic malignancies and metastases, 594

hepatoma, 275

kidneys in renal vein thrombosis, 267

lacrimal gland infiltration, 546

laryngeal tumor and thyroid cartilage extension, SPECT,

medullary carcinoma of thyroid, 628

metastatic intracranial neuroblastoma, 26

muscle accumulation in myophosphorylase deficiency, 165

myocardial uptake in patient with cancer of prostate, 358 ovarian cystadenocarcinoma, metastatic, 274

photon deficiency, gas gangrene, 410

post partum hypervascular uterus, 557

prostatic carcinoma metastates in liver, 488

renal abnormalities on bone imaging, P15 renal metastasis of osteosarcoma, 325

testicular amyloidosis, 142

uptake in diaphragm after ischemia, 416

Bone imaging (skeletal uptake)

absent femoral shaft uptake in lymphedema praecox, 323

absent sternum, 327

aseptic necrosis of talus, 50

Atlas of Computerized Blood Flow Analysis in Bone

Disease (Atlas Article), 560 calvarial hemangioma, 495

cerebral amyloidoma, 528

coccidioidomycosis, disseminated, 88

congenital syphilis, 531

decreased uptake in osteomyelitis, 301

"doughnut sign" in coccidioidomycosis, 501

effects of chemotherapy on bone metastases, 11

Ewing's sarcoma as cold lesion, 173

fibrosarcoma as photopenic area, 265

focal uptake, herniation pit, femoral neck, 304

four phase in extremity ulcers, P33

fractured ribs, 555

Ga-67/Tc-99m MDP in rabbit osteomyelitis, P42

indications for SPECT, P42

infected hypertrophic pseudoarthrosis, 45

intracranial osteoma, 626

intraosseous ganglion, 54

lower extremity pain, sports nuclear medicine, 101

mastocytosis, systemic, 34

osteoblastoma, 141

osteopetrosis, 446

osteoporosis circumscripta cranii, 377

parietal foramina, 87

patella, dorsal defect, 380

positive after strenuous physical exercise, 229

predicting cure in osteomyelitis with Ga-67 and Tc-99m MDP, 344

retention of Tc-99m MDP in metabolic bone disease, 210 sacroillitis, unilateral, 413

skeletal retention of Xe-133 on ventilation imaging, 299

skeletal tuberculosis, 418

skull defects due to head stabilizer, 553

slipped capital femoral epiphysis, 613

solitary sternal metastasis, 373

superscan, 624

synovial visualization in septic arthritis, 249

transient loss of uptake with prolonged maintenance of femoral head architecture, 347

Bone mineral analysis

accuracy, P31

comparison of methods, P32

diagnosis of osteoporosis, P32

normal ranges for spine, P31

radius and skeletal state, P31

total body calcium by neutron activation analysis, P31

Book reviews

A Handbook of Nuclear Pharmacy by Hibbard. Reviewed by Richard J. Kowalsky, Pharm.D., 289

An Introduction to Nuclear Physics with Applications in Medicine and Biology by Dyson. Reviewed by Roland Bramlet, Ph.D., 456

Atlas of Radionuclide Hepatobiliary Imaging by Kuni and Klingensmith. Reviewed by Alan H. Maurer, M.D., 290

Bone Scintigraphy by Pauwels, Schutte and Taconis. Reviewed by Harold Simon, M.D., 184

Functional Mapping of Organ Systems and Other Computer Topics. Edited by Esser. Reviewed by

Kenneth F. Koral, Ph.D., 288

La detection et la visualisation des rayonnements en Medecine Nucleaire by Morucci, Lansiart, Moretti, Danet, Guiraud and LeBlanc. Reviewed by Raymond Taillefer, M.D., 39

Methods of Nuclear Medicine in Rheumatology by Kolarz and Thumb. Reviewed by Hussein M. Abdel-Dayem, M.D., 509

Progress in Medical Radiation Physics, edited by Orton. Reviewed by Herbert Malamud, Ph.D., 185

Radioisotopes in Cardiology by Salvatore and Porta. Reviewed by Joseph G. Llaurado, M.D., 633

Radionuclide tracer techniques in haematology by Bowring. Reviewed by Philip A. Bardfeld, M.D., 39

Radionuclide Ventricular Function Studies: Correlation with EKG, Echo and X-ray Data by Ell, Walton and Jarritt. Reviewed by Frans J. Th. Wackers, M.D., 578

Thermoluminescence Dosimetry by McKinlay. Reviewed by Robert E. Pennock, M.M.S., 456

Brain imaging

and CT in multiple sclerosis, 618
calvarial hemangioma, 495
cerebral amyloidosis, 528
evaluation of blood brain barrier with SPECT, P39
in hospitalized psychiatric patients, 121
I-123 labeled amines, P61
lymphomatoid granulomatosis with Tc-99m GH, 322

osteoporosis circumscripta cranii, 377

C

Chemotherapy infusion

radionuclide infusion as an aid with, 254 Tc-99m MAA and monitoring hepatic artery spasm, 131

Cisternography, radionuclide and CT in CSF leaks, P59 in preterm neonate, 465 CSF leak with Tc-99m DTPA, 227

Collimator
7-pinhole in thyroid imaging, 163

uses of slant-hole collimator, 228

Computer studies
database management, P38
edge detection algorithms, P11
effect of boundary detection on LV stroke volume, EF,
P13
factorial analysis in cardiac studies, P35
image smoothing, P11
video digitizer, P39

D

Dual photon absorptiometry accuracy of bone mineral measurements, P31 assessment of bone mass with SPA and CT, P32 diagnosis of osteoporosis, P32 normal ranges for spine, P31 radius bone mineral and skeletal state, P31

E

Editorials

Clinical Uses of In-111 Leukocyte Imaging, 36 Quo Vadis Phase Analysis, 566 Esophageal imaging Barrett's esophagus complicated by lye ingestion, 550 in pediatrics, 427 Eye imaging P-32 in ocular melanoma, P10

F

First pass cardiac imaging after acute myocardial infarction, P54 dysfunction following accidents, P28 gated first pass imaging, P28 normal response to exercise, P55 rest and exercise in chronic coronary disease, P57

G

Gallium-67 citrate imaging and Tc-99m MDP in predicting cure in osteomyelitis, 344 and Tc-99m MDP in untreated head and neck tumors, 107 beard sign due to acne, 271

bile leakage from T-tube, 554 cerebral amyloidoma, 528

chronic granulomatous disease, 632 comparison with Tc-99m Sn colloid WBC for sepsis, 340

decreased uptake in osteomyelitis, 301 extramedullary plasmacytoma, 179

Ga-67/Tc-99m MDP in rabbit osteomyelitis, P42 gastritis, 605

gastrius, 603
hepatocholangiocarcinoma of liver, 129
infected hypertrophic pseudoarthrosis, 45
inguinal hernia mimicking lymphadenopathy, 183
Legionnaire's pneumonia, 19

myocardial sarcoma, 474 orbital accumulation, 469 pararenal vs psoas abscess, 14 pediatric oncology, 205

pneumocystosis carinii pneumonia, 608 posterior sulcus tumor, 182

renal candidiasis, 445 renal imaging in hepatocellular disease, 200 sarcoidosis, 559

sepsis, 178 skeletal tuberculosis, 418

subcutaneous abscess, 543 tuberculous pericarditis, 603

Gastric emptying

normal with labeled egg albumin, P63 patients with supraventricular tachycardia, P37 usefulness in pediatrics, P37

Gastroesophageal reflux usefulness in pediatrics, P37

Gastrointestinal bleeding site imaging additional findings, 396 angiodysplasia of jejunum with Tc-99m RBCs, 127 in In-111 leukocyte imaging, 214 labeled RBC preparation, 160 using Tc-99m SC, 389 value of repeated imaging, P30

Gastrointestinal imaging (additional) motor function of duodenum with Tc-99m DISIDA, P36

Gated cardiac imaging and EKG studies after infarction, P55 artificial heart, P34 biventricular ejection fraction, P28 boundary detection and LVSV and EF, P13 EF following clonidine in CHF, P13 exercise in aortic and mitral regurgitation, P28 gated first pass imaging, P28 left lateral view on gated imaging, 196 LV thrombus, 155 myocardial sarcoma, 474 normal exercise studies, P14 pseudoaneurysm, LV, 443 using Kr-85m, 257

General

changing publication trends in nuclear medicine, 1965-1980, 761 pediatric nuclear medicine, 434

H

Hepatobiliary imaging bile leak after liver transplantation, 478 bile leak, post-cholecystectomy, 480 biliary-bronchial fistula with Tc-99m PBIDA, 139 bronchobiliary fistula with Tc-99m PIPIDA, 272 common bile duct perforation, 588 comparison of Tc-99m EIDA, HIDA, PIPIDA and PBIDA, 70 effects of lipomul, CCK and TRH on gallbladder emptying, 66 gallbladder rupture, 64 hemangioma, 483 hepatic hemangioma, P8 in cholecystic cancer, 220 incidental findings of horseshoe kidney, gastroiejunostomy reflux, 90 need for delayed imaging, P36 normal biliary physiology, P36 normal Tc-99m HIDA imaging in acute cholecystitis, 97 rim sign in gangrenous cholecystitis, P37 standing position, 379 subcapsular hematoma of liver, 506 Tc-99m BIDA in cirrhosis, P58 unusual abnormalities, 337

-1

Indium-111 leukocyte imaging aortoarterial graft infections, 42 children and adolescents, P42 clinical practice, P42 Clinical Use of In-111 Leukocyte Imaging (Editorial), 36 diversion colitis, 1 early and late imaging in abscess, 243 functional asplenia in Sezary syndrome, 3 gastrointestinal bleeding site imaging, 214 Indium-111 White Blood Cell Imaging (Atlas Article), 449 kidney graft rejection, 7 mycotic aortic aneurysm, 486 parasitic infections with labeled eosinophils, P60 sensitivity 1-4 hours after injection, P43 ulcerative colitis, 375 Indium-111 labeling (other than leukocytes) Candida Albicans, P8 monoclonal antibodies, lymphoscintigraphy, P26 platelets at endarterectomy site, P27 Indium-111 DTPA cisternography in neonate, 465 CSF leak on cisternography, 227 Inflammatory lesion imaging abscess in unilamellar vesicles, P41 children and adolescents with In-111 WBC, P42 clinical practice with In-111 WBC, P42 Clinical Use of In-111 Leukocyte Imaging (Editorial), 36 comparison of Tc-99m Sn colloid WBC and Ga-67, 340 decreased Ga-67 uptake in osteomyelitis, 301 early and late In-111 WBC in abscess, 243 experimental skin flaps, P41 Ga-67 and beard sign due to acne, 27 Ga-67 in chronic granulomatous disease, 632 Ga-67 in gastritis, 605 Ga-67 in pneumocystosis carinii pneumonia, 608 Ga-67 in renal candidiasis, 445

Ga-67 in sarcoidosis, 559 Ga-67 in sepsis, 178 Ga-67 in subcutaneous abscess, 543 Ga-67 in tuberculous pericarditis, 603 Ga-67/Tc-99m MDP in rabbit osteomyelitis, P42 Ga-67 and Tc-99m MDP in skeletal tuberculosis, 418 In-111 leukocyte in diversion colitis, 1 In-111 WBC in aortoarterial graft infections, 421 Indium-111 White Blood Cell Imaging (Atlas Article), 449 In-111 WBC in ulcerative colitis, 370 infected hypertrophic pseudoarthrosis, 45 Legionnaire's pneumonia with Ga-67, 19 mycotic aortic aneurysm with In-111 WBC, 486 pararenal vs psoas infection with Ga-67, 14 parasitic infections with In-111 eosinophils, P60 sensitivity 1-4 hours after injection of In-111 WBC, P43 Instrumentation automatic report generation, P38 comparison characterization of rotating gamma cameras, determination of Tc-99m attenuation coefficient, P63 detector studies in SPECT rotation, P38 Ga-67-Tc-99m subtraction, P62 generator production of weakly chelated Ga-68, P39 internal dose calculations, P62 method for radiopharmaceutical purity, P39 planar and SPECT images with Ga-67, P64 positioning for ECT, P65 quality assurance: cameras, dose calibrators, P62 quantity assurance in SPECT, P38 SPECT and radionuclide beam source, P64 standard source of I-125 for autoradiography, P63 video to paper image formatter, P62 Iodine-123 sodium iodide absorption after oral administration, P9 breast uptake in thyrotoxicosis, 35 organ area on thyroid imaging, 193 thyroid imaging with 7-pinhole collimator, 163 Iodine-131 Hippuran qualitative renogram: potential problem, 149 renal transplant recovery after rejection, 60 renal vein thrombosis, 56 Iodine-131 iodomethylnorcholesterol (NP-59) adrenal imaging with ACTH stimulation, 112 splenic tissue simulating adrenal mass, 371 Iodine-131-19-iodocholesterol adrenal imaging and CT in aldosteroma, 610 Iodine-131 sodium iodide thyroid ablation and low iodine diet, 123 treatment in hyperthyroidism and subsequent cancer, 216

L

Liver-Spleen Imaging absence of hepatic uptake with Coxsackie B₂ viremia, 246 alcoholic hepatitis, P29 amebic abscess with Tc-99m SC and In-113m, 312 artifact from lung infiltrate, 378 avulsion and bleeding, 241 bile leakage from T-tube, 554 Budd-Chiari syndrome, 269 comparison of SPECT and planar imaging, P30 diagnostic accuracy of liver imaging, P59 diagnostic accuracy of liver imaging, P29 diaphragmatic hernia, 623

false-positive in ascites, 76

false-positive in posterior sulcus tumor, 182

functioning hepatic mass with Tc-99m

galactosyl-neoglycoalbumin, P29

hepatocellular disease and renal-Ga-67 uptake, 200

"hot" spleen, 237

hydronephrosis mimicking liver metastases, 225

mypertrophy of caudate lobe on SPECT, 171

multifocal hepatic nodular hyperplasia, 505

multiple splenic infarcts, 444

normal anatomy with SPECT, P30

pancreatic pseudocyst hepatic lesion, 177

portal venous scintigram, P30

splenic band, 270

splenic changes after trauma, 440

splenic hemorrhage, 269

splenic "hot spot" due to redundant tissue, 239

splenic tissue simulating adrenal mass, 371

subcapsular hematoma of liver with Tc-99m HIDA, 506

Tc-99m SC redistribution and splenic infarcts in myelofibrosis, 335

Lung imaging (perfusion)

clinical utilization in pulmonary embolism, 158

diffusion imaging with Tc-99m DTPA for injury, P76

fibrosing mediastinum, 167

mismatch in dissecting aneurysm, 181

mismatch with wedged Swan-Ganz catheter, 597

pulmonary embolism, P32

uptake of aliphatic amines, P60

usefulness with chest x-ray in pulmonary embolism, 497

using SPECT, P32

with Kr-85m gated imaging, 257

Lung imaging (ventilation)

comparison of pre- and postperfusion, P33

comparison of Xe-133 and Tc-99m DTPA aerosol, P33

fibrosing mediastinitis, 167

inhalation with Tc-99m DTPA aerosol, P60

in pulmonary embolism, P32

mismatch in dissecting aneurysm, 181

mismatch with wedged Swan-Ganz catheter, 597

skeletal retention of Xe-133, 299

using SPECT, P32

Lymphoscintigraphy

in microlymphaticovenous anastomoses, 309

intestinal lymphangiectasia, 535

with In-111 monoclonal antibodies, P27

M

Monoclonal antibodies

imaging with Tc-99m labeled, P40

labeled with In-111, lymphoscintigraphy with, P26

Myelography, radionuclide

pleural-dural communication, 28

Myocardial imaging

bilateral rotating slanthole SPECT with Tl-201, P13

blood flow Tc-99m albumin microspheres, P12

fatty acids, P35

glucose utilization with positron CT, P35

LV aneurysm with Tl-201, 133

metabolic characterization with positron CT, P26

myocardial sarcoma, 474

quantification of rotational Tl-201 tomograms, P26

quantitative Tl-201 imaging after streptokinase, P27

radioiodinated phenyl pentadecanoic acid in mice, P9 stress testing and coronary stenosis after streptokinase, P27

Tl-201 in situs inversus, 224

Tl-201 with avalanche radiation probe, P34

TI-201 ECT with rotating slant hole collimator, P34 Tc-99m PYP and Ca blockers in infarction, P35

Tc-99m PYP in post CABG infarctions, P57

Tc-99m PYP and phase imaging in right ventricular

infarction, 517

Tc-99m PYP after electrical injury, 591

Nuclear cardiology

Bilateral rotating slanthole SPECT with Tl-201, P13

biventricular ejection fractions, P28

boundary detection and LV, SV and EF, P13

cardiac function during selective pacemaker modes, P13

cardiac imaging with NMR, P55

cardiac output with digital and analog cameras, P54

dual Fourier analysis of gated studies, P54

dysfunction following accidents, P28

EF following clonidine with CHF, P13

exercise in aortic and mitral regurgitation, P28

factorial analysis, P35

fatty acids in myocardium, P35

first pass after acute myocardial infarction, P54

gated imaging with Kr-85m, 257

gated first pass imaging, P28

gated imaging in artificial heart, P34

gated and EKG studies after infarction, P55

Ga-67 in tuberculous pericarditis, 603

geometric left ventricular volume, P63

glucose utilization, P35

left lateral view on gated imaging, 196

LV aneurysm with Tl-201, 133

LV thrombus on gated studies, 155

metabolic characterization of myocardium with positron

CT. P26

myocardial blood flow with Tc-99m albumin

microspheres, P12

myocardial sarcoma, 474 normal exercise gated studies, P14

normal response to exercise with first pass, P55

phase analysis in regional wall motion, 315

phase imaging in angina and after nitrates, P29

phase analysis in Wolff-Parkinson-White, P54

phase imaging in right ventricular volume, P63 pros and cons of Fourier analysis, P15

pseudoaneurysm, LV, 443

quantification of rotational TI-201 tomography, P26

quantitation of chamber mixing, P57

Ouo Vadis Phase Analysis (Editorial-Atlas), 566

rest and exercise first pass in chronic coronary disease,

streptokinase and Tl-201 imaging, P27

stress testing and coronary stenosis after streptokinase,

Tc-99m PYP and Ca blockers in infarction, P35

Tc-99m PYP in post CABG infarctions, P57

Tc-99m PYP after electrical injury, 591

Tl-201 stress imaging in dextrocardia, 180

Tl-201 in situs inversus, 224 Tl-201 in benign cardiac fibroma, 207 Tl-201 with avalanche radiation probe, P34
Tl-201 ECT with rotating slant hole collimatory, P34
Thallium-201 Myocardial Scintigraphy (Atlas Article), 276
tricuspid insufficiency with nuclear probe, 600

tricuspid insufficiency with nuclear probe, 600
Nuclear magnetic resonance
cardiac imaging, P55
contrast agents, P58
economic considerations, P58
image quality and magnet field strength, P56
imaging characteristics of flow, P8
particulate oral contrast agents, P56
phantoms for imaging, P58
private office factors, P58
relaxation times, P64
single and dual coil pulsed methods for fluid flow, P55
stable paramagnetic complexes as intravenous contrast
agents, P56
thyroid evaluation, P56

P

Phase imaging and analysis detection and quantification of regional wall motion, 315 dual Fourier analysis of gated studies, P54 during angina and after nitrates, P29 Fourier analysis in non-cyclic dynamic studies, 521 phase analysis in Wolff-Parkinson-White, P54 pros and cons of Fourier analysis in gated studies, P15 Quo Vadis Phase Analysis (Editorial-Atlas), 566 right ventricular infarction, 517 Prostate imaging copper-64 in canines, P10

R

labeled prostatic acid phosphatase antibodies, P60

Radionuclide blood flow aortic blood flow index in renal transplants, 360 Atlas of Computerized Blood Flow Analysis in Bone Disease, (Atlas Article), 560 cardiac function and selected pacemaker modes, P13 double inferior vena cava, anomalous venous drainage, 306 fibrosing mediastinitis, 167 Fourier analysis in non-cyclic dynamic studies, 521 gastroduodenal artery aneurysm, 540 hepatic artery-portal vein fistula, 441 imaging hypoxic cells, P41 labeled plasma flow markers, P36 pitfall to RBC labeling-iodinated contrast media, 585 portal venous scintigram with Tc-99m DTPA, P30 retention of pertechnetate simulating thyroid tissue, 503 saphenous vein bypass graft patency, 223 shunting in IVC obstruction, 365 SVC obstruction in retrosternal goiter, neck position in, 424 static images in lower limb venography, P33 Renal imaging abnormalities seen on bone imaging, P15 GFR for each kidney with Tc-99m DTPA, 400 In-111 platelets in kidney graft rejection, 7 in aortic dissection, 85 intrathoracic kidney, 408

Lasix imaging in UPJ obstruction, P15

meosoblastic nephroma, neonatal, 252
qualitative I-131 Hippuran renogram problems, 149
quantitative uptake of Tc-99m DMSA, P11, P12
renal Ga-67 uptake in hepatocellular disease, 200
renal vein thrombosis, 56, 267
Tc-99m GH for total and individual GFR, P12
transplant recovery after rejection, 60
unilateral renal vein thrombosis, 538
Renal transplantation
aortic blood flow index, 360
scintigraphic findings, P12
urinary extravasation, 175

S

Selenium-75 labeled analogues of dopamine, P8, P9 Spleen imaging avulsion and bleeding, 241 changes after trauma, 440 functional asplenia in Sezary syndrome, 3 hemorrhage, 269 "hot" spleen, 237 mastocytosis, systemic, 34 multiple infarcts, 444 splenic band, 270 splenic "hot spot" due to redundant tissue, 239 splenic trauma, P15 splenic tissue simulating adrenal mass, 371 Tc-99m SC redistribution and multiple splenic infarcts in myelofibrosis, 335

T

Technetium-99m aerosol imaging comparison of Tc-99m DTPA and Xe-133, P33 using Tc-99m HSA in SPECT, P32 Technetium-99m dimercaptosuccinic acid (DMSA) quantitative renal uptake, P11, P12 Technetium-99m diethylenetriaminepentaacetic acid aerosol ventilation imaging, P33, P60 aortic blood flow index in renal transplants, 360 blood flow in double inferior vena, 306 blood flow in fibrosing mediastinitis, 167 blood flow in IVC obstruction, 365 blood flow in venous graft patency, 223 diffusion lung imaging for injury, P26 GFR for each kidney, 400 intrathoracic kidney, 408 mesoblastic nephroma, neonatal, 252 portal venous scintigram, P30 radionuclide myelography in pleural-dural communication, 28 renal imaging in aortic dissection, 85 renal vein thrombosis, 267 unilateral renal vein thrombosis, 538 urinary extravasation in renal transplant, 175 Technetium-99m dimethyliminodiacetic acid (HIDA) bile leak after liver transplantation, 478 bile leak, post-cholecystectomy, 480 comparison with Tc-99m EIDA, PIPIDA and PBIDA, 70 normal imaging in acute cholecystitis, 97 subcapsular hematoma of liver, 506

Technetium-99m diphosphonate imaging (bone) effect of chemotherapy on bone metastases, 11 myocardial uptake in patient with prostatic cancer, 358 slipped capital femoral epiphysis, 613

transient loss of femoral head uptake, 347 Technetium-99m diphosphonate (extraskeletal) accumulation in myophosphorylase deficiency, 165 SPECT in larvngeal tumor and thyroid cartilage extension,

616 Technetium-99m polyphosphate

and Ga-67 in untreated head and neck tumors, 107

Technetium-99m disofenin (DISIDA)

cholecystic cancer, 220

common bile duct perforation, 588

effects of lipomul, CCK and TRH on gallbladder emptying, 66

hemangioma, 483

motor function of duodenum, P36

quality control errors, P61

rim sign in gangrenous cholecystitis, P37

unusual abnormal hepatobiliary imaging, 337

Technetium-99m glucoheptonate (GH)

brain imaging and CT in multiple sclerosis, 618 brain imaging in lymphomatoid granulomatosis, 322

calvarial hemangioma, 495

cortical metastases from bronchogenic carcinoma, 31 total and individual GFR, P12

Technetium-99m labeled red blood cells (other than gated imaging)

bleeding in angiodysplasia of jejunum, 127

calvarial hemangioma, 495

gastroduodenal artery aneurysm, 540

GI bleeding, repeated imaging, P30

GI bleeding site imaging, additional findings, 396 pitfall to labeling: iodinated contrast media, 585 preparation for GI bleeding, 100

Tc-99m stannous colloid labeled leukocytes comparison with Ga-67 in sepsis, 340

Technetium-99m macroaggregated albumin (MAA)

blood flow in IVC obstruction, 365

mismatch in dissecting aneurysm, 181

mismatch with wedged Swan-Ganz catheter, 597 monitoring hepatic artery spasm in chemotherapy

infusion, 131

perfusion lung imaging in fibrosing mediastinitis, 1167 perfusion lung imaging with SPECT, P32

pulmonary embolism, P32

usefulness with chest x-rays in pulmonary embolism, 497 with Kr-85m gated imaging, 25'

Technetium-99m albumin microspheres as an aid in chemotherapy infusion, 254

myocardial blood flow, P12

Technetium-99m methylenediphosphonate (MDP) (extraskeletal)

adrenal cyst, 448

and Ga-67 in untreated head and neck tumors, 107

endothelium, 447

hepatic malignancies and metastases, 594

hepatoma, 275

kidneys in renal vein thrombosis, 267

lacrimal gland infiltration, 546

metastatic intracranial neuroblastoma, 26

medullary carcinoma of thyroid, 628

ovarian cystoadenocarcinoma, metastatic, 274

photon deficiency in gas gangrene, 410

post-partum, hypervascular uterus, 557 prostate carcinoma metastases in liver, 488 renal metastasis of osteosarcoma, 325 scrotal imaging in testicular amyloidosis, 142 uptake in diaphragm after ischemia, 416

Technetium-99m methylene diphosphonate (MDP) (skeletal) absent femoral shaft uptake in lymphedema praecox, 323 absent sternum, 327

and Ga-67 in predicting cure in osteomyelitis, 344

aseptic necrosis of talus, 50 calvarial hemangioma, 495

cerebral amyloidoma, 528

coccidioidomyocosis, disseminated, 88

decreased uptake in osteomyelitis, 301

"doughnut sign" in coccidioidomycosis, 501

Ewing's sarcoma as "cold" lesion, 173

fibrosarcoma as photopenic area, 265

focal uptake, herniation pit, femoral neck, 304

Ga-67/Tc-99m MDP in rabbit osteomyelitis, P42

infected hypertrophic pseudoarthrosis, 45

intracranial osteoma, 626

intraosseous ganglion, 54

lower extremity pain, sports nuclear medicine, 101

mastocytosis, systemic, 34

osteoblastoma, 141

osteopetrosis, 446

osteoporosis circumscripta cranii, 377

parietal foramina, 87

patella, dorsal defect, 380

positive imaging after strenuous physical activity, 229

retention in metabolic bone disease, 210

reversible ischemia of femoral head, 170

sacroiliitis, unilateral, 413

skeletal tuberculosis, 418

skull defects due to head stabilizer, 553

slipped capital femoral epiphysis, 613

solitary sternal metastasis, 373

superscan, 624

synovial visualization in septic arthritis, 249

Tc-99m SC in normal hips, 490

therapeutic response, radiographic correlation in

carcinoma of breast, P10

transient loss of femoral head uptake, 347

Technetium-99m para isopropyl iminodiacetic acid (PIPIDA), 64

bronchobiliary fistula, 272

cholecystic cancer, 220

comparison with EIDA, HIDA and PBIDA, 70

gallbladder rupture, 64

Technetium-99m pyrophosphate (PYP)

after electrical injury, 591

and Ca++ blockers in myocardial infarction, P35 and phase imaging in right ventricular infarction, 517

post CABG infarctions, P57

Technetium-99m sodium pertechnetate

auxiliary sign in testicular torsion, 493

Barrett's esophagus complicated by lye ingestion, 550

cerebral amyloidoma, 528

hemorrhage into follicular adenoma of thyroid, 23

lower limb venography, P33

medullary carcinoma of thyroid, 628

organ area on thyroid imaging, 198

osteoporosis circumscripta cranii, 377

renal transplant recovery after rejection, 60

SVC obstruction in retrosternal goiter, neck position in blood flow imaging, 424

testicular imaging in teratocarcinoma, 630

thyroid imaging in Plummer's disease (autonomously functioning nodules), 78

ultrasound and biopsy in thyroid masses, P61 vascular retention simulating thyroid tissue, 503

Technetium-99m sulfur colloid (SC)

absent liver uptake with Coksackie B2 viremia, 246 alcoholic hepatitis, P29

amebic abscess of liver, 312

artefact on liver imaging from lung infiltrate, 378

arthrography, loose knee prosthesis in, 355

avulsion and bleeding, 241 bile leakage from T-tube, 554

Budd-Chiari syndrome, 369

comparison of SPECT and planar liver imaging, P30

diagnostic accuracy of liver imaging, P29 diagnostic accuracy of liver imaging, P59

diaphragmatic hernia on liver imaging, 623

esophageal imaging, pediatric 427

false-positive liver imaging in ascites, 76

false-positive liver in posterior sulcus tumor, 182 gastric emptying in tachycardia, P37

gastrointestinal bleeding site imaging, 389

GI bleeding site imaging, additional findings, 396

hepatic artery-portal vein fistula, 441

hepatocellular disease and renal-Ga-67 uptake, 200 "hot" spleen, 237

hydronephrosis mimicking liver metastases, 225

lymphoscintigraphy in microlymphaticovenous anastomoses, 309

multifocal hepatic nodular hyperplasia, 505

multiple splenic infarcts, 444

normal anatomy with SPECT, P30

normal hips, 490

pleural-peritoneal connection on imaging, 83

pseudocysts of pancreas mimicking liver lesions, 177 redistribution and multiple splenic infarcts in myelofibrosis, 335

spleen imaging in systemic mastocytosis, 34

splenic band, 270

splenic changes after trauma, 440

splenic hemorrhage, 269 splenic "hot spot" due to redundant tissue, 329 splenic tissue simulating adrenal mass, 371

Thallium-201 thallous chloride

avalanche radiation probe, P34

benign cardiac fibroma, 297

bilateral rotating slanthole SPECT, P13 contamination with Tl-200, P61

ECT with rotating slant hole collimator, P34 LV aneurysm, 133

myocardial sarcoma, 474

quantitative imaging after streptokinase, P27

quantification of rotational tomography, P76

situs inversus, 224

stress imaging in dextrocardia, 180

stress testing and coronary stenosis after streptokinase, P27

Thallium-201 Myocardial Scintigraphy (Atlas Article), 276 Thyroid gland ablation

low iodine diet in, 123

Thyroid carcinoma

after I-131 therapy for hyperthyroidism, 216 medullary carcinoma, 628

Thyroid imaging

acute hemorrhage into follicular adenoma, 23

medullary carcinoma, 628

multi-modality imaging of cold nodules, P65 organ area, 193

partial thyroidectomy in Plummer's disease (autonomously functioning nodule), 78

scintigraphy and ultrasound in anterior neck masses, P59

thyrotoxicosis and breast uptake of I-123, 35 ultrasound and biopsy in thyroid masses, P61

using NMR, P56

vascular retention of pertechnetate simulating thyroid tissue, 503

with 7-pinhole collimator, 163

x-ray fluorescent scanning in nodules, P64

Testicular imaging

auxiliary sign in torsion, 493

teratocarcinoma with pertechnetate, 630

Thyroid studies (non-imaging)

differences in thyroglobulin assays in thyroid cancer, P40 free T-4 in nonthyroidal illnesses, P10

thyroglobulin vs I-131 imaging in thyroid cancer, P40 thyrotropin-binding blocking antibody in Graves' disease,

Tumor imaging

extramedullary plasmocytoma with Ga-67, 179

Ga-67 and Tc-99m MDP in untreated head and neck tumors, 107

Ga-67 in hepatocholangiocarcinoma of liver, 129

Ga-67 in pediatric oncology, 205

Ga 67 in superior sulcus tumor, 182

influence of thymidine uptake, blood flow, P41

myocardial sarcoma, 474

perfusional techniques for screening antibodies, P40

Tc-99m glucoheptonate in cervical metastases from

bronchogenic carcinoma, 31 unilamellar vesicles, P41

using 7-pinhole collimator, 163

X

Xenon-133

comparison of pre- and postperfusion ventilation, P33

experimental skin infection, P41

mismatch in dissecting aneurysm, 181

mismatch with wedged Swan-Ganz catheter, 597

skeletal retention, 299

ventilation imaging in fibrosing mediastinitis, 167

Xe-133 saline clearance in skin grafts, P34

A

Abdel-Dayem, H M, 355, 509 Acevedo, MO, 588 Adams, G D, P9 Alavi, A, 444 Alazraki, N, 200, P33, P35, P43 Albright, R, P63 Alcorn, L N, P40 Aldrete, J S. 588 Alexander, J B, 246 Alijani, M, 360 Allen, E W, 441, P9, P11 Allison, J D, P62 Amster, J L, 269 Anderson, S J, P60 Ang, J G P, 301 Angel, E J, P32 Areeda, J., P26, P28, P37 Aron, B S, 325 Arzoumanian, A, 210, 340 Ashkar, F, P55, P61 Ashlev, C. P15 Atkins, F, 360

B

Badertscher, R R, II, P10 Baker, B, P35 Baker, SR, 608 Baker, W. P43 Balachandran, S, 413 Baldeschwieler, J D, P41 Balkin, PW, P59 Ball, W S, 347 Bardfeld, PA, 39 Barnes, PD, 441 Barodawala, Y K, 355 Barrio, J R, P26, P35 Basmadjian, G, P9 Basmadjian, G P, P8, P9, P12 Basse-Cathalinat, B, 427 Bassingthwaighte, J B, P36 Baumert, J. 83 Bayer, M F, P40 Beecham, J B, 196 Benedetto, A R, 160, P61 Benjamin, D D, 299, 546 Bennett, LR, P32 Bennett, S J. P60 Berlin, L, 155 Berman, D. P26, P27, P28, P37, P40 Berman, D S, P27, P32, P33 Bidula, L P, 476 Bietendorf, J. P26, P37 Billingsley, J L, 88, 167 Binet, E F, 488 Blahd, W H, 193 Blake, D G, 358 Blake, J, P11 Blank, J. 173 Blanquet, P, 427

Bledin, AG, 131 Blue, PW, 272 Blumhagen, J D, P37 Blumhardt, R, 163, 297, P12, P13 Bobba, V R, 506, P36, P36 Bobba, V V R, 70 Bode, WA, 56 Boedecker, R A, 358 Boehringer, A, 123 Borms, M, 254 Born, M L, 309 Bose, A, 14 Bossuyt, A, 424 Boudreau, R, 465, 517 Brachman, M, P40 Brachman, M B, P32, P33, P37 Brackett, D J, P13 Brady, LW, 175 Bramlet, R, 456 Brar, H. P36 Braunstein, G, P40 Briandet, PA, 566 Brill, D R, 101 Brouwers, T M, 3 Brown, D. P28 Brown, D E, P37 Brown, J M, 88, 167, 183, 528, 618 Brown, JS, 23 Brown, M, P63 Brown, P H, 70, 261, P36 Brown, T J, 88, 167, 183, 528, 618 Brumback, R A, 165 Bryan, R N, P8 Bundy, A L, P65 Bunker, A R, P34 Bunker, S R, 163, 469, 521, 626, 628, P34, P42 Burdine, J A, P8, P11, P15 Burke, T, 275 Burke, T S, 585 Burow, R D, P12, P13, P14 Bushnell, D, 173 Byrd, B L, P60 Byrom, E, 315

C

Caine, R Y, 480
Caralps, C, 7
Carroll, R G, 196, P64, P65
Casper, J T, 26, 369
Castellanos, A, P54
Castronovo, F P, 11
Catz, B, P40
Cave, J S, P60
Cawthon, M A, 469, 521, 626, 628, P34
Chapman, C N, 216, 538
Chapman, D, P37
Chapman, D R, P37
Chappel, M E, P33, P37
Charkes, N D, 410, 476

Chartrand, R, 377 Chaudhuri, T K, 28 Chen, I W, 123 Chesney, R W, P31 Chesnut, C H, P31, P32 Chien, K R, P9 Childress, R, P65 Christian, PE, P34 Christie, J H, 76, 408, 492, 585, 591 Christophe, E, 427 Chusid, MJ, 632 Chvala, R, 175 Clanton, J A, 309, P56, P56, P60 Clark, J W, P11 Clark, J W, Jr, P15 Clarke, L P. P55 Close, LG, 23 Coel, M N, 495 Cohen, A, 275 Cohen, A J, 227, 269 Cole, F N, 272 Coleman, R E, P55, P63, P64 Colley, DG, P60 Collins, MC, 179 Connors, J J. 557 Corbus, H F, P30, P32, P38, P42 Cordaro, A F, 19 Coupal, J J, P58 Crawford, A H, 347, 613 Croley, M R, P55, P59 Crooks, L A, 297 Cullison, R C. Cupples, T, P15

D

Dadparvar, S, 175 Danais, S, 271, 322, 446 Datz, F, P33, P43 Datz, F L, P34 Davis, R H, P63 Day, WR, P10 DeGreve, J. 424 DeLand, FH, P58, P60 DeLong, JF, 179 DeLong, S R, 90, 180 DeLuca, S A, 11 DeNardo, G L, P40 DeNardo, S J, P40 DeRoo, M J K, 616 DeVries, W C, P34 Delgado, J. 14 Demmi, E L, 179 Denenberg, BS, 476 Derbekyan, V, 465, 517 Desai, AG, 365 Deutsch, S D, 560 Dey, H M, 600 Diamanti, C I, P26 Dionne, D, 322, 377 Domstad, PA, P58 Donoghue, G D, 630

dos Remedios, L V, P42 Drane, W E, P36 Drilling, J, 123 Ducassou, D, 427 Dumont, M, 271, 322, 446 Dunagin, P, Jr, 360 Dunn, W L, P31, P32 Duong, R B, 35, 223, 225 Dworkin, H J, 220 Dymond, D S, P54, P57

E

Edeling, C-J, 107, 205 Effros, R M, P26 Eichen, C, P65 Eisenberg, R L, 121 Eklem, M, 70 Elliott, A T, P54, P57 Ellis, M C, 337 Ellison, D J, P26 Epstein, A, P40 Epstein, A J, 155 Eubig, C, P63 Evans, C D, P62 Eybalin, M C, 535

F

Falcone, RA, P35 Faris, J V, 597 Favila, M, 360 Feng. L-J. P41 Fennelly, E, P30 Fernandez, M, 540 Fernandez-Ulloa, M, 35, 50, 223 Ficek, M A, 306 Ficken, V J, P9, P11 Fillmore, DJ, P64 Fisher, B, P58 Fisher, DR, 550 Fitzsimmons, J R, P56 Fleischer, A C, 252, P65 Ford, D, P28 Fortner, G, P27 Foster, M A, P56 Frank, MJ, P63 Franklin, J D, 309 Fratkin, M J, 585 Frederick, R J, 344 Freedman, G S, P58 Freeman, L M, 389 Freeman, M L, 509 Freitas, J, 220 Frey, G D, P61 Friedman, J, P26 Fukomoto, D, 275 Furui, S, 171

G

Gainey, M A, P42 Gallacher, M P, P57 Gandsman, E J, 560 Ganz, W, P27 Garcia, E, P26, P28, P37 Garcia, O. P11, P12 Garcia, O M, 559 Gates, GF, 400 Gavant, M L, 497 Gazes, P.C. P55 Geft, I, P27 Gelezunas, V L, P34 Gelfand, M J, 133, 301, 325, 347, Gerald, B, 497 Gergans, G, 509 Gerson, MC, 133 Ghaed, N, 272 Gibbons, GD, 83 Gilbert, L A, 325 Gilbert, S, P10 Gilday, DL, 434 Giles, T. P13 Ginsberg, B W, 550 Glassman, A B, 64 Glenn, HJ, P8 Goergen, T G, 396 Goethals, P, 257 Goetz, W A, 434 Goldenberg, D M, P60 Goldman, S, P28 Goldstein, HA, 85, 485 Gonzales, J, P10 Gonzales, P, 540 Goodwin, D A, 1, 36 Goodwin, DA, 375 Gordon, L, 249, 337, P55, P57, P59, P61 Gore, J C, P58, P64 Graham, EJ, 613 Graham, G D, 88, 167, 183, 344, 528, P42 Graham, M M, P32, P38, P39, P41 Greenberg, A, 85 Greenberg, P, P39 Greene, G, 410 Greer, K, P64 Greer, K L, P63 Gregory, R D, P38 Grieber, W G, P32 Grimm, PD, P39 Grino, J M, 7 Grisby, J, P30 Growcock, G, 274, 379, P12 Grunbaum, Z, P41 Guillaume, M, 257 Guillet, J, 427 Gupta, A, 34 Gupta, S M, 34 Gurinsky, J, P61 Gutierrez, C, P10

1

Hackley, M, P15 Hadjipavlou, A, 45 Hale, A S, 31 Hall, D, 553 Ham, H R, 257 Hamer, A W, P37 Hamilton, DR, P62 Hammes, C S, 469, 521, 628 Hanelin, L G, P30 Hansell, J, 444 Hansen, H W, P26 Hanslits, M L, 225 Hanson, J A, P32 Hardy, L, P14 Harley, D P, P28 Harpen, M D, P57 Harris, C. P63, P64 Harris, C C, P63 Hartshorne, M F, 163, 297, 469, 521, 626, 628, P34, P42 Harwood, S J, P64, P65 Haseman, M K, 375, 490 Hawkins, H H, 325 Hawkins, RA, P39 Hayden, PW, P37 Haydu, P. P61 Haynie, T P, 131, P8, P10, P11 Hazenberg, H J A, 3 Heidendal, G A K, 56 Hendee, W R, 434 Hendrix, G H, P54, P55, P57, P57 Hennigan, D B, 121 Henry, R, P28 Herfkens, R J, P55 Herrera, N E, 34 Herskovic, J, 540 Heyman, S, 327, 380, 531, 594 Hicks, R R, P54 Hiddink, HJM, 3 Higgins, C B, P55 Hightower, D, P10 Hinkle, G H, 246 Hirsch, J I, 585 Holliday, R, 129 Hollifield, J W, P59 Holsten, G, 335 Hopfer, R L, P8 Hourani, M, P54, P61 Howard, W H, III, 469, 521, 626, 628, P34 Howman-Giles, R, 416 Hsu, PM, P8 Huang, S C, P35, P39 Hubbard, A M, 448 Hung, C-Y, P12 Hungerford, G D, P59 Hunter, GO, P60 Husserl, F, P10 Hutak, DP, P29 Huys, J, 254

1

Imbriano, L J, 19

1

Jacobs, J, P35, P43 Jahns, M, P8 James, A E, Jr, P56, P57 James, J, P54 Jaszczak, R, P64

Jeffcoat, R D, P62 Joblin, G. 535 Johnson, AC, 275 Johnson, G, P57 Johnson, RA, 228 Johnson, R F, Jr, P10 Jolson, R, 347 Jonckheer, M, 424 Jones, CA, P63 Jones, J P, P54 Joyce, L, P34 Joyce, R P, 626 Juillard, G. P39 Julien, P, P32, P33

K

Kaiser, M L, P60 Kamrani, F, 224 Kang, IY, P42 Kang, YS, P58 Kapala, G B, 632 Kaplan, E, 509 Kappes, J, 540 Karimeddini, M K, 323, 505, 600 Karl, R D, Jr, 469, 521, 626, 628, P34 Karlsberg, R P, P34 Kasi, LP, P8 Kasner, JR, 224 Kaushik, D, P32 Kayden, D, P54 Keen, R, P26 Kellerman, D. P14 Kew, MC, 139 Khedkar, N, 173 Kilcoyne, R F, P32 Kim, E E, 23, P10 Kingston, E, 70 Kipper, M S, 149, 449, P30 Klatte, E C, 597 Kochar, A S, 177 Kolodny, G M, 127 Koral, K F, 289 Kottler, J, P28 Kowalsky, R J, 289 Kramer, E L, 299, 546 Krieves, DA, 243 Krishnamurthy, GT, 70, 261, 506, Kriss, J P, P27 Krohn, K A, P29, P36, P41 Kronenberg, M W, P54 Kropac, J, P27 Krous, H F, 246 Kuhl, DE, P39

L'Abbate, A, P29 LaManna, M M, 175 Lam, W, 315 Lamballe, A K, P65 Lamki, L, 129

Kulkarni, PV, P9

Kumar, R, 413

Lamki, L M, 267 Lamoureux, F, 446 Lamoureux, J, 322 Lanas, F, P54 Lancaster, J L, 163, 469, 521, P42 Lance, S P, P63 Lande, I, 465, 517 Landrum, W. P43 Langrell, K, P36 Larson, S M, P41 Lasher, J C, 31, P12, P13, P34 Lawrence, PF, P33 Lazzara, R, P12, P13 Leblond, R, 377 Lecklitner, M L, 274, 379, P8, P59, P61 Lee, JY, 229 Lenaers, A, 257 Leonard, J C, 246, 441 Leu, S-L, P27 Levasseur, A, 535 Levin, J. 139 Levine, E, P61 Levy, H A, 241, 323 Levy, JG, P40 Lewellen, T K, P31, P32, P38, P39 Lewis, J E, 272 Lewis, M, P13 Lewis, S, P13 Lieberman, LM, 214, 270, 371, 421 Light, J, 360 Lillo, R, 540 Lin, DS, 237, 557, 603 Link, EAM, 3 Link, J M, P36 Lipton, M J, P55 Lisbona, R, 45, 465, 517 Little, S E, P36 Llaurado, J G, 633 Loevinger, E H, P59 London, J W, P35 Long, S E, P12 Lopano, A J, 54 Lopez, R, P54 Lopez-Berestein, G, P8 Lukehart, C M, P56 Luna-Solorzano, H G, 503 Lundy, M M, 344, 618 Lundy, M N, 88, 167, 183 Lyons, K P, P34 Lyons, P, 175 Lyster, D M, P39, P40

M

Machida, K, 171, 610 Mack, L, P32 Maddahi, J, P26, P27 Makhija, M C, 54, 141, 178, 265, Makler, P T, Jr, 444, 485 Malamud, H, 185 Malmud, L S, 410, 476 Mandel, PR, 19 Mandel, W J, P37

Mandell, G, 485 Mandell, G A, 327, 380, 531, 594 Manier, S M, 624 Mansell, PW A, P11 Marcus, C S, 193 Marks, J W, P37 Marlette, J M, 66 Marshall, R C, P35 Martenz, D, 440, 543 Martin-Comin, J. 7 Marzullo, P, P29 Mason, GR, P26 Massie, J D, 447, 497 Mathes, S J, P41 Matiets, M. P39 Maublant, J, P28 Maublant, J C, P35 Maurer, A H, 290, 410, 476 Maxon, H R, 35, 123 Mazess, R B, P31 McCall, MJ, P26 McCalley, M G, 227 McCarthy, D M, P35 McConnell, B G, 23 McConnell, R W. 23 McDevitt, HO, P26 McDougall, I R, 243, P40, P42 McGill, S, P30 McLean, G K, 85 McTigue, M, P26 Meares, CF, P26 Meckelnburg, R L, 543 Mena, I, P26, P35 Mena, I G, P28 Merkel, M, 503 Mesgarzadeh, M, 506 Mettler, F A, Jr, 76, 408, 492, 591 Mew, DJY, P40 Meyer-Pavel, C, 315 Mick, RC, P56 Miller, J L, P36 Miller, W W, 585 Mills, K, P8 Milosavljevic, D, 193 Mirell, S G, 193 Mishkin, F, 14 Mitchell, M, 252 Morayati, S, 440 Morel, D E, 482 Moreno, AJ, 88, 167, 183, 344, 528, 618 Morgan, M E, P62 Morley, J E, 66 Morrison, D A, P28 Morrison, R T, P39, P40 Mortelmans, L A, 616 Moses, S C, 608 Moskowitz, H, 158 Mullens, R, 447 Muller, CJ, 3 Murano, R, P31, P32 Murphy, K, P35

Murphy, P H, P8, P11, P15 Murray, G L, P55

Myerburg, R, P54

Myers, DL, 31

N

Nagle, CE, 220 Nakajo, M, 112 Nash, W W, P35 Navarro, D.A. P42 Neely, HR, P15 Nelp, W B, P31, P32, P36 Nelson, MO, P60 Nelson, N J, P41 Nelson, R J. P28 Nielander, A J M, 56 Nishikawa, J, 610 Nishiyama, H, 133, 225, 325 Nocera, R, 503 Nocera, R M, 418 Novetsky, G J, 155 Nusynowitz, M L, 160, 503 Nyquist, S R, 50

0

O'Brien, S S, P30 O'Grady, L F, P29 Oestreich, A E, 347 Ohrt, H J, 97 Olea, E, 540 Olshaker, R, 304 Onohara, S, 112 Orellana, P, 540 Osborne, D, P64 Ott, S M, P31

P

Paldi, J H, 1 Papademetriou, T, 355 Paradell, C, 7 Park, C H, 365 Park, H M, 373 Park, H M, 553 Parker, J A, 127 Parker, R G, P39 Parodi, O, P29 Partain, C L, 60, 309, P56, P60, P64, P65 Patel, A P, P9 Patel, J C, P34 Patel, K R, P41 Patton, D D, P29, P59 Patton, J A, P57, P64, P65 Pavel, D G, 315, 566 Peppler, W W, P31 Peric-Golia, L. P35 Perlman, A, 347 Perry, J R, P54 Pham, H, P27 Phelps, M E, P35, P39 Piepsz, A, 257 Pierce, T, P62 Pietras, R, 315 Pinsky, S M, 378 Planitz, M K, 35 Plauche, W, P11, P12, P13 Polga, JP, 335

Posalaky, I P, 97 Potter, J L, P59 Pounds, B K, P12 Powell, J H, P62 Powell, M R, P31 Preston, D F, 550 Pretorius, D, 182 Prezio, J A, 630 Price, D C, P41 Price, R R, P57 Primus, F J, P60 Proffitt, R T, P41

Q

Quadro, R E, P29 Quiroz, A, P13

R

Radvan, G, P29 Raftery, A T, 480 Rahilly, P M, 416 Ramanna, L, P32, P33, P37, P40 Rao, H, 216, 554 Rasey, J S, P41 Reba, R C, 312 Reichter, R E, 553 Reynolds, D W, P13, P14 Rhea, JT, 11 Ricci, P E, 630 Ricciardone, M, P61 Rieger, J A, P8 Riegert, M B, 358 Rienzo, R J, 482 Riggs, B L, P32 Rios, AA, P11 Ritchie, J L, P27 Rivera, J V, 306 Robinson, A E, P57 Robinson, G D, Jr, P35, P39 Robinson, RG, 550 Roca, M, 7 Rockett, J F, P55 Roels, P, 424 Rogers, C, 418 Rosen, P R, 28, 31 Rosenberg, R D, 591 Rosenberg, R J, 241, 538 Rosenthall, L, 45, 210, 340 Rost, RC, 50 Royal, HD, 127 Rue, C, P30 Runge, V M, P56, P57, P60 Russell, S, P15 Ryals, CJ, P11 Ryan, J. P30 Ryo, UY, 378

S

Sacks, G, 252 Sacks, G A, 60, 309, P64 Sadek, S, P9 Sadek, S A, P8, P9

Safarian, R, P35 Sagar, V V, 440, 543 Sakata, H, 112 Sakimura, IT, P29 Sander, G, P13 Sanders, J A, 557 Sandler, M, 252, P54 Sandler, M P, 60, 309, P56, P64, P65 Sanger, J J, 299, 546 Sarma, D, 559 Sauerland, B A, 31 Savala, J. P38 Savala, J H, P30 Savitch, I, 139 Saxe, A W, P40 Sayle, B, 418 Schabel, S I, 337 Schaefer, C F, P13 Schaefer, R F, 488 Scheibe, PO, P29 Schelbert, H R, P26, P29, P35 Scherlag, B J, P12 Schmidt, C, P30 Schulman, P, 600 Schultz, S, 555 Schwaiger, M, P26 Schwartz, D L, 85 Scott, J W, 588 Scott-Smith, W, 480 Seabold, J E, 421, 488 Seipold, E, P58 Selby, J B, 64 Selby, J B, Sr, P60 Seldin, M F, 608 Sensel, N, P40 Seo, I S, P33 Serafini, A, P54, P55 Sfakianakis, G, P54 Shafa, M H, 50 Shafer, R B, 66, 97 Shaff, MI, P59 Shah, PK, P27 Sheldon, LE, 196 Shields, A F, P41 Shih, W J, P58 Shih, W-J, 312 Shimabukuro, K, 112 Shinohara, S, 112 Shirazi, P, 173 Shirley, S A, 196 Shirono, K, 112 Shuler, S E, P10, P15 Siddiqui, A R, 597 Siegel, M E, P29 Silverman, E D, 304 Simon, H, 184 Simon, T. P13 Simonian, S, 175 Simons, G W, 170 Slavin, J D, 554 Smeenk, G, 3 Smith, C W, P9 Smith, F W, P56, P57

Smith, J, P62

Smith, PC, 196 Smith, T E, P34 Smith, V E, 600 Smuclovisky, C, P61 Smuro, D J, 178 Sniderman, A, 465, 517 Sninsky, CA, P63 Sonnemaker, R E. P12 Sonstabo, R, 424 Soo, C S, 131 Soucy, J P, 446, 535 Soucy, J-P, 322 Spann, J F, 476 Sparks, J C, 123 Spencer, CR, 158 Spencer, R P, 34, 158, 216, 239, 241, 323, 335, 445, 505, 538, 600 Spencer, R R, 591 Sperling, M I, 123 Spicer, K M, 249, P61 Sprayregen, S, 389 Stabin, M G, P62 Stadalnik, R C, P29 Starling, M R, P13 Starshak, RJ, 26, 87, 142, 170, 369, 448, 623 Stein, DT, 1

Stein, I H, 141 Stein, M, P33 Stephens, W H, P58 Sterkel, B, 200 Stewart, C A, P29 Stone, D L, P54, P57 Stratton, J R, P27 Straw, J D, P61 Strife, J L, 613 Sty, J R, 26, 87, 142, 170, 358, 369, 448, 623, 632 Suey, C, P40 Sun, T T, P60

Sung, K, P14 Suresh, P L, 505 Swan, H J C, P27 Swiryn, S, 315 Swischuk, L E, 503 Sy, W M, P33 Syverud, J B, P33 Sziklas, J J, 241, 538

Т

Taillefer, R, 39, 271, 377, 446, 535 Tanasescu, D, P32, P40 Tanasescu, D E, P33, P37 Tao, T-w, P27 Tarver, R D, 373 Tatum, J L, 585 Tauxe, W N, 588 Taylor, A, P33, P34, P43 Taylor, A, Jr, 149, 182, 200 Teckemeyer, I, P8 Telepak, R J, 163, 297, 469, 521 Teruya, K, 495 Thadani, U, P13, P14 Thiele, B L, P27 Thiesse, J. P30 Thomas, G, P13 Thomas, K D, P63 Thomas, SR, 123 Thomason, CB, 304 Thompson, W L, P12 Tin, G W, P41 Tipton, RE, 603 Tisdale, P L, 605 Tiu, S, 299, 546 Touya, J J, P30, P32, P38, P42 Troch, M, 254 Trueblood, J H, P62 Tu'meh. S S, 127 Tu, Y-C, 312 Tula, C J, 131 Turgeon, J, P28 Turner, DA, 155 Turner, FE, 70 Tyler, G, 482 Tyson, I B, 560

U

Uren, R F, 127

1

Van Drunen, M, 509 Van Train, K, P26, P37 van Nostrand, D, 624 Vanderheyden, J-L, P61 Vandevivere, J, 257 Varma, D G K, 133 Vaughan, S, P55 Velchik, M G, 444, 485 Vera, D R, P29 Verani, M S, 276, 443 Versteeg, H J, 272 Vincken, W, 424 Vix, V A, 499 Volarich, D T, 223 Volarich, D T, 225

W

Wackers, F J T, 578 Wahner, H W, P31, P32 Walker, R C, P12 Wallace, R T, P60 Waller, S F, 618 Walter, R D, 304 Wapenski, J A, P39 Warsal, N F, 440

Washburn, L C, P60 Watson, E E, P62 Waxman, A, P26, P27, P28, P33, P37, P40 Waxman, A D, P32, P33, P37 Weaver, A, P9 Weaver, W D, 591 Weber, PM, P42 Weiland, F L, 31, P13 Weingrad, T, 485 Weismann, I, 167 Weiss, AT, P27 Weiss, MA, 325 Weissmann, H S, 389 Wellman, H N, 597 Wendt, RE, P8, P11 Wendt, R E, III, P15 White, W B, 445 Wicks, J D, 76 Wiener, J D, 78 Wilkey, D, 418 Willcott, M R, P8 Williams, A.G., Jr., 76, 408, 492, 591 Williams, C M, P63 Williams, J C, P63 Williams, L E, P41 Williams, R J, 449, P30 Williams, W H, P36 Wilson, D G, 214, 270, 371, 421 Wilson, M F, P11, P13, P14 Winchell, R J, P58 Winn, M, 389 Winn, S. P59 Witherspoon, L R, P10, P15 Wittmer, S, P26 Wong, C, P37 Wood, JR, P42 Wood, M J, 121, 181 Woolfenden, J W, P29 Woolfenden, J M, P59 Wraight, E P, 480 Wyatt, J K, 267

Y

Yeatman, L A, P26 Yedinak, M A, 528 Yeh, E-L, 605 Yeh, S-H, 312 Yon, J W, Jr, 249 Yoshikawa, K, 171 Youngblood, L A, 626

Wynchank, S, 427

Z

Zaman, L, P54 Zender, M, P38 Zielonka, J S, 605

